

ASTD/TDI Project Static Report

Deployment of Highly Selective Nuclide Removal System

| | | |
|--------------------------------|---|---|
| Focus Area: | Decontamination and Decommissioning Focus Area | Focus Area Manager: John Duda, (304) 285-4217 |
| TTP No.: | SR09DD61 | Principal Investigator: John Pickett, (803) 725-3838 |
| Lead Site: | Savannah River | |
| Project No.: | 99-ASTD-19 | Technology Vendor(s)/Commercial Partner(s): |
| Tech ID/TMS No.: | | SELION Technologies, Graver, and 3M Co. |
| Related Publication(s): | None | |
| Web Page(s): | | |
| Description: | The SELION Technology, licensed to Graver, treats water for reduction/removal of cesium and strontium using a highly efficient ion exchange media while drastically reducing radiological waste volumes. In addition, the Empore technology (3M) will be deployed in a 25 gpm system. | |
| Application: | Reactor fuel storage water basins with volumes of water and cesium/strontium | |
| Location(s): | SRS | |
| Technology(ies): | | |

Ion Exchange System for Selective Removal of Cesium and Strontium

| | Funding (\$K): | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>Total</u> |
|-------------------------|-----------------------|---------------------|---------------------|---------------------|-----------------------------|--|
| TTP No.: | SR09DD61 | \$0 | \$200 | \$275 | \$75 | \$550 |
| Leverage Source: | EM-60 | | | | | \$850 |
| | | | | | | <hr style="border: 1px solid black;"/> |
| | | | | | Funding Total (\$K): | \$1,400 |

| Cost Savings (\$M): | <u>Proposal</u> | <u>Deployment Plan/TTP</u> | <u>Current Focus Area Projection</u> |
|----------------------------|------------------------|-----------------------------------|---|
| | \$7,842 | \$8,042 | \$7,840 |